

Department of Computer Science and Engineering

Object Oriented Programming Through Java (25CS303)

Worksheet

UNIT-I: OBJECT ORIENTED THINKING

A. Multiple Choice Questions

1. OOP stands for

- A) Object Oriented Programming
- B) Object Operating Program
- C) Operating Object Programming
- D) None

Answer: A

2. Which language is purely object-oriented?

- A) C
- B) Java
- C) C++
- D) Pascal

Answer: B

3. Who developed Java?

- A) Microsoft
- B) Apple
- C) Sun Microsystems
- D) IBM

Answer: C

4. Java source code is compiled into

- A) Machine Code
- B) Bytecode
- C) Assembly Code
- D) Object Code

Answer: B

5. JVM stands for

- A) Java Virtual Machine
- B) Java Variable Method
- C) Java Visual Machine
- D) Joint Virtual Machine

Answer: A

6. Which keyword is used to declare a constant?

- A) const
- B) final
- C) static
- D) fixed

Answer: B

7. Which data type stores decimal values?

- A) int
- B) float
- C) char
- D) boolean

Answer: B

8. Which operator is known as the conditional operator?

- A) +

B) &&

C) ?:

D) %

Answer: C

9. Which loop executes at least once?

A) for

B) while

C) do-while

D) foreach

Answer: C

10. Which keyword is used for decision making?

A) if

B) loop

C) goto

D) switchcase

Answer: A

11. Which operator increases a value by one?

A) ++

B) --

C) +

D) +=

Answer: A

12. Which keyword is used to exit a loop?

A) continue

B) break

C) stop

D) exit

Answer: B

13. Automatic type conversion is called

A) Casting

B) Widening

C) Narrowing

D) Boxing

Answer: B

14. Which is not a Java keyword?

A) class

B) goto

C) while

D) static

Answer: B

15. Java is

A) Platform dependent

B) Platform independent

C) OS dependent

D) None

Answer: B

Fill in the Blanks with Answers

1. Java follows the _____ programming paradigm.

Answer: Object-Oriented

2. The full form of JVM is _____.

Answer: Java Virtual Machine

3. Java was developed by _____ Microsystems.

Answer: Sun

4. Java source code is compiled into _____ code.

Answer: Byte

5. The Java compiler is called _____.

Answer: javac

6. The Java interpreter command is _____.

Answer: java

7. The keyword used to declare a constant variable is _____.

Answer: final

8. The _____ data type stores either true or false.

Answer: boolean

9. The operator '++' is called the _____ operator.

Answer: Increment

10. The operator '?:' is also known as the _____ operator.

Answer: Ternary (or Conditional)

11. The _____ statement is used to select one among multiple alternatives.

Answer: switch

12. The _____ loop checks the condition before executing the loop body.

Answer: while

13. The conversion from a smaller data type to a larger data type is called _____ conversion.

Answer: Widening

14. Explicit type conversion is also called _____.

Answer: Casting

15. Java is both _____ and object-oriented.

Answer: Platform Independent